

## CLAIMS

1. A ceramic heater comprising: a ceramic substrate; an insulating layer having volume resistivity higher than that of said ceramic substrate, being formed on at least a part of said ceramic substrate; and a resistance heating element formed on said insulating layer.
2. The ceramic heater according to claim 1, wherein said ceramic substrate comprises a carbide ceramic or a nitride ceramic and said insulating layer comprises an oxide ceramic.
3. The ceramic heater according to claim 1 or 2, wherein the opposite side to the face where said resistance heating element is formed of said ceramic substrate is a heating face.
4. The ceramic heater according to any of claims 1 to 3, wherein the thickness of said insulating layer is from 0.1 to 1000  $\mu\text{m}$ .
5. The ceramic heater according to any of claims 1 to 3, wherein the volume resistivity of said insulating layer is not less than 10 times larger than the volume resistivity of said ceramic substrate.
6. A ceramic heater comprising a ceramic substrate and a resistance heating element formed on a surface of said ceramic substrate, wherein said ceramic substrate is warped in one direction.
7. The ceramic heater according to claim 6, wherein the warp amount of said ceramic substrate is from 10 to 100  $\mu\text{m}$ .